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Substitute for form 1449/PTO		<i>Complete if Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Application Number</b>	10/693,429	
		<b>Filing Date</b>	2003-10-23	
		<b>First Named Inventor</b>	WALTON; J. Rodney	
		<b>Art Unit</b>	2467	
		<b>Examiner Name</b>	SMITH, Marcus	
<b>Sheet</b>	1	of	3	<b>Attorney Docket No:</b> 030417

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2(f)</sup> (known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US6631121	10-07-2003	YOON; Sung-Hoon	
	002	US6768727	07-27-2004	SOUROUR; Essam et al.	
	003	US6891858	05-10-2005	MAHESH; Harihara et al.	
	004	US20050135284	06-23-2005	NANDA; Sanjiv et al.	
	005	US20050135295	06-23-2005	WALTON; Jay Rodney et al.	
	006	US20050135318	06-23-2005	WALTON; Jay Rodney et al.	
	007	US20060104340	05-18-2006	WALTON; Jay Rodney et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	008	CN1347609A	05-01-2002	ERICSSON TELEFON AB L M [SE]		<input checked="" type="checkbox"/>
	009	EP0869647A2	10-07-1998	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	010	RU2139633	10-10-1999	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	011	RU2197781C2	01-27-2003	OLIVETTI TELEMEDIA SPA [IT]		<input checked="" type="checkbox"/>
	012	WO03010994A1	02-06-2003	NEXO [FR], et al.		<input checked="" type="checkbox"/>
	013	WO9307684A1	04-15-1993	SIXTEL SPA [IT]		<input type="checkbox"/>

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds of Documents of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>3</b>	<b>Attorney Docket No:</b> 030417

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2	
	014	Partial European Search Report - EP10012069 - Search Authority - The Hague - 2011-11-29 (030121EPD1).	<input type="checkbox"/>	
	015	Supplementary European Search Report - EP06759443 - Search Authority - Hague - 2011-11-24 (050283EP).	<input type="checkbox"/>	
	016	VOOK, F. W. et al., "Adaptive antennas for OFDM", Vehicular Technology Conference, vol. 1, 18-21 May 1998, pages 606-610. XP010287858, NEW YORK, NY, USA, IEEE, US DOI: 10.1109/VETEC.1998.686646 ISBN: 978-0-7803-4320-7.	<input type="checkbox"/>	

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### CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Kenyon S. Jenckes/	Date (YYYY-MM-DD)	2012-01-26
Name/Print	Kenyon S. Jenckes	Registration Number	41873

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